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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/574,110	06/09/2006	Toshio Hayashi	2006-0436A 7170	
513 7590 08/01/2007 WENDEROTH, LIND & PONACK, L.L.P. 2033 K STREET N. W.			EXAMINER	
			CHO, JENNIFER Y	
SUITE 800 WASHINGTON, DC 20006-1021			ART UNIT	PAPER NUMBER
	•		1621	
			MAIL DATE	DELIVERY MODE
		·	MAIL DATE	DELIVERT MODE
		i.	08/01/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application No.	Applicant(s)			
Office Action Summary		10/574,110	HAYASHI, TOSHIO			
		Examiner	Art Unit			
		Jennifer Y. Cho	1621			
Period fo	The MAILING DATE of this communication app or Reply	ears on the cover sheet with the c	orrespondence address			
WHIC - Exter after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DATE is not soft ime may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. It is period for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 16(a). In no event, however, may a reply be tiruly apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. ED (35 U.S.C. § 133).			
Status	•					
1)⊠	Responsive to communication(s) filed on 24 May 2007.					
. /=	This action is FINAL . 2b) ☐ This action is non-final.					
3)						
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Dispositi	on of Claims					
5)□ 6)⊠ 7)□	Claim(s) <u>1-9</u> is/are pending in the application. 4a) Of the above claim(s) is/are withdraw Claim(s) is/are allowed. Claim(s) <u>1-9</u> is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or					
Applicati	on Papers					
	The specification is objected to by the Examine	r.	•			
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
11)	Replacement drawing sheet(s) including the correct					
Priority i	ınder 35 U.S.C. § 119		•			
12) <u>□</u> a)	Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau See the attached detailed Office action for a list	s have been received. s have been received in Applicat ity documents have been receiv I (PCT Rule 17.2(a)).	ion No ed in this National Stage			
Attachmen	it(s)					
1) Notice 2) Notice 3) Infor	te of References Cited (PTO-892) te of References Cited (PTO-892) te of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO/SB/08) ter No(s)/Mail Date 6/29/07.	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal F 6) Other:	Pate			

Application/Control Number: 10/574,110

Art Unit: 1621

Detailed Action

Receipt is acknowledged of the Response filed 5/24/2007.

The original claims 1-6 and newly added claims 7-9 are pending in this application.

Upon further review the rejection under 102 has been vacated.

IDS

The information disclosure statement (IDS) filed on 6/29/07 is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

Claim Rejections – 35 USC 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-6 remain rejected, and claims 7-9 are rejected for the same reasons, under 35 U.S.C. 103(a) as being unpatentable over Ishii et al. (US 5,958,821). See previous office action.

Application/Control Number: 10/574,110

Art Unit: 1621

Applicant's arguments filed 5/24/2007 have been fully considered but they are not persuasive.

The Examiner acknowledges Applicant's argument that the catalyst of Ishii et al. is different than Applicant's Au and/or Ag catalyst, as an elementary substance, i.e. metal particles supported on a carrier.

Regarding the requirement for metal particles, Ishii et al.'s catalyst is assumed to be in particulate form because the reference does not teach a monolith catalyst.

Furthermore, Ishii et al. specifically points to the use of an Ag or Au catalyst (column 13, line 5), which can be supported on a carrier (column 16, lines 20-21).

The Examiner acknowledges Applicant's argument that the art fails to teach or suggest that the use of a primary alcohol as a reaction solvent during the oxidation of an aromatic compound having an alkyl substituent with an oxygen molecule to produce an aromatic carboxylic acid ester.

Ishii et al. teaches the oxidation of an aromatic compound having an alkyl substituent to produce an aromatic carboxylic ester (see abstract; column 8, lines 57-58; column 9, lines 30-36), by the addition of a primary alcohol e.g. methanol, ethanol (column 28, line 67; column 29, lines 1-3).

Therefore, it would be prima facie obvious to one of ordinary skill in the art at the time of the invention, to further oxidize the aromatic aldehyde to the carboxylic ester using a primary alcohol. The expected result would be the efficient formation of both an aromatic aldehyde and an aromatic carboxylic ester in good yield.

Application/Control Number: 10/574,110

Art Unit: 1621

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jennifer Y. Cho whose telephone number is (571) 272 6246. The examiner can normally be reached on 9 AM - 6 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Yvonne Eyler can be reached on (571) 272 0871. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Application/Control Number: 10/574,110 Page 5

Art Unit: 1621

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Jennifer Cho Patent Examiner Art Unit: 1621

J. PARSA PRIMARY EXAMINER

Yvonne Eyler Supervisory Patent Examiner Technology Center 1600

FOr.